Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/09/2016 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125125	0	2.41	124987	2.47
Blue	F	SSC	125000	125447	0	4.63	125940	4.61
Blue	E	FITC	22946	22412	-3	2.97	1000	9.79
Blue	D	PE	28770	28272	-2	2.63	1015	9.27
Blue	B	PerCP-Cy5-5	51099	50426	-2	3.83	1447	15.57
Blue	A	PE-Cy7	42312	41374	-3	5.23	641	32.10
Red	C	APC	52169	51270	-2	3.01	2948	9.28
Red	A	APC-Cy7	56705	55883	-2	3.11	1153	10.82
Violet	B	V450	14708	14252	-4	3.68	684	8.72
Violet	A	V500	58608	57175	-3	3.43	2548	6.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19730	4.48	592	-6	N/A	N/A	Pass
Blue	F	SSC	61980	3.93	522	4	N/A	N/A	Pass
Blue	E	FITC	111	35.30	528	-3	0.0231	33	Pass
Blue	D	PE	220	25.75	524	-2	0.1732	155	Pass
Blue	B	PerCP-Cy5-5	226	41.62	618	-4	0.0124	123	Pass
Blue	A	PE-Cy7	71	104.33	665	-6	0.0146	10	Pass
Red	C	APC	343	26.37	585	-5	0.0216	30	Pass
Red	A	APC-Cy7	125	39.45	569	-7	0.0063	1844	Pass
Violet	B	V450	83	38.55	463	4	0.0444	1395	Pass
Violet	A	V500	184	21.57	492	4	0.0148	219	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/09/2016 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.53	-30.87	0.84
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	18.48	13.27 - 19.91	N/A	N/A	30.94	31.62	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10038

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments